

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	176282	normaliz\$4 or normalization	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/24 11:45

## EAST Search History

L2	71	(US-20050226357-\$ or US-20060176994-\$ or US-20040146132-\$ or US-20020018535-\$ or US-20040036772-\$ or US-20050022076-\$ or US-20040146098-\$ or US-20020158696-\$ or US-20020131538-\$ or US-20040148580-\$ or US-20040151257-\$ or US-20020191727-\$ or US-20010033200-\$ or US-20040264623-\$ or US-20020105365-\$ or US-20030224736-\$ or US-20020183030-\$).did. or (US-5295079-\$ or US-6114888-\$ or US-5745011-\$ or US-7158899-\$ or US-6885700-\$ or US-6813589-\$ or US-6687866-\$ or US-6661266-\$ or US-6476594-\$ or US-4752748-\$ or US-5404054-\$ or US-6466067-\$ or US-6150858-\$ or US-5821816-\$ or US-5486792-\$ or US-3983498-\$ or US-5991350-\$ or US-5907253-\$ or US-4068199-\$ or US-6809598-\$ or US-5917873-\$ or US-5638410-\$ or US-7183863-\$ or US-6337891-\$ or US-5910753-\$ or US-6018275-\$).did. or (US-6317006-\$ or US-6597249-\$ or US-6486650-\$ or US-6396889-\$ or US-5473285-\$ or US-5398263-\$ or US-5473640-\$ or US-5574406-\$ or US-6803828-\$ or US-6580328-\$ or US-7183860-\$ or US-7035750-\$ or US-5463627-\$ or US-7027780-\$ or US-6992958-\$ or US-5428648-\$ or US-4977579-\$ or US-5130676-\$ or US-6704383-\$ or US-5883930-\$ or US-5661425-\$ or US-6724265-\$ or US-5337335-\$ or US-6671500-\$).did. or (JP-11341306-\$ or JP-09247137-\$ or US-20030090328-\$ or US-20020114386-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/24 11:40
L3	13	1 and 2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/24 11:45

## EAST Search History

L4	176368	(normaliz\$4 or normalization or "ndco" or (gain near normaliz\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/24 11:46
L5	186996	(loop near filter) or (low near3 filter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/24 11:46
L6	1913	4 same 5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/24 11:47
L7	367	(375/376 and 327/156).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/24 11:47
L8	4	L7 and 6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/24 11:52
L9	78993	(infinite near impulse) or ("iir")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/24 11:53
L10	1463	5 same 9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/24 11:54
L11	4	7 and 9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/24 12:09

## EAST Search History

L12	128971	(phase or frequency) near2 (lock\$4 or match\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/24 12:10
L13	7610	(variance with (threshold or pre\$1determin\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/24 12:11
L14	29	12 same 13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/24 12:12
L15	0	7 and 14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/24 12:12
L16	19019	squar\$3 near2 error	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/24 12:12
L17	5	14 and 16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/24 12:19
L18	59385	(time near2 domain) or ("tdc")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/24 13:17
L19	1242	5 same 18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/24 12:20

## EAST Search History

L20	248047	(digital\$3 near5 control\$4) or "dco"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/24 12:21
L21	37	19 same 20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/24 13:13
L22	0	7 and 21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/24 12:21
L23	7740	(375/376 or 375/375 or 375/226 or 375/224 or 327/141 or 327/147 or 327/156).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/24 13:13
L24	2	L23 and 21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/24 13:13
L25	248813	(phase or frequency) near2 (deviation or difference or error)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/24 13:18
L26	1525	18 same 25	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/24 13:18
L27	612	18 with 25	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/24 13:19

## EAST Search History

L28	2	7 and 27	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/24 13:21
L29	198310	time near2 (deviation or difference or error or off\$1set)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/24 13:22
L30	6567	(digital near3 ((phase near lock) or ("PLL")))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/24 13:23
L31	1109	L30 and 29	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/24 13:23
L32	109	L30 same 29	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/24 13:23
L33	4	7 and 32	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/24 13:23
S1	84	((ROBERT) near2 (STASZEWSKI)). INV.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/24 11:37
S2	17	((ROBERT) near2 (STASZEWSKI)). INV.	EPO; JPO; DERWENT	OR	ON	2007/03/22 12:43
S3	69	((DIRK) near2 (LEIPOLD)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/22 12:44
S4	15	((DIRK) near2 (LEIPOLD)).INV.	EPO; JPO; DERWENT	OR	ON	2007/03/22 12:45
S5	1	((ELIDA) near2 (DE-OBALDIA)). INV.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/22 12:46

## EAST Search History

S6	0	((ELIDA) near2 (DE-OBALDIA)). INV.	EPO; JPO; DERWENT	OR	ON	2007/03/22 12:46
S7	7740	(375/376 or 375/375 or 375/226 or 375/224 or 327/141 or 327/147 or 327/156).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/22 15:41
S8	13669	(test\$4 or measur\$4) near4 ((radio near frequenc\$4) or ("RF"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/22 15:43
S9	6567	(digital near3 ((phase near lock) or ("PLL")))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/22 15:45
S10	4	S8 same S9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/22 15:47
S11	123	S8 and S9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/22 15:47
S12	11	("3798376"   "5255086"   "5351016"   "5404054"   "5747942"   "5867535"   "5880614"   "6066990"   "6450184"   "6642764"   "6654595").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/22 16:04
S13	9	("20020183030"   "20030176173"   "20030224736"   "5948046"   "6032028"   "6347121"   "6415001"   "6614837"   "6671500").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/22 16:06
S14	10	("3895294"   "4550345"   "5128809"   "5469417"   "6028828"   "6118742"   "6144627"   "6317395"   "6381204"   "RE36933").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/22 16:08

## EAST Search History

S15	774	S7 and S9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/22 16:09
S16	367	(375/376 and 327/156).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/22 16:09
S17	79	S9 and S16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/22 16:40
S18	2	("4259644").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/22 16:25
S19	2	("4399560").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/22 16:26
S20	2	("6104222").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/22 16:32
S21	2	("5400370").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/22 16:36
S22	2	jp-11341306-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/22 16:38



## EAST Search History

S23	2	jp-09247137-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/22 16:38
S24	19	S17 and threshold	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/22 16:40
S25	3	("4827225"   "5371480"   "5424687").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/22 16:41
S26	9	("5486792").URPN.	USPAT	OR	ON	2007/03/22 16:42
S27	11	("4272729"   "5015970"   "5446416"   "5486792"   "5552726"   "5739725"   "6380810"   "6466096"   "6486650"   "6597249"   "6838951").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/22 16:56
S28	2	("4068199").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/22 17:26
S29	2	("4581749").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/22 17:27
S30	2	("5130676").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/22 17:28
S31	2	("5774511").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/22 17:28

## EAST Search History

S32	2	("6018275").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/22 17:29
S33	2	("6317006").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/22 17:30
S34	2	("20030090328").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/22 17:31
S35	2	("20030118142").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/22 17:31
S36	2	("6704383").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/22 17:32
S37	2	("6724265").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/22 17:33
S38	3	("6914935").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/22 17:33
S39	2656371	(monitor\$4 or observ\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/23 14:08

## EAST Search History

S40	9446904	(control or enable or disable)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/23 14:08
S41	850508	S39 same S40	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/23 14:09
S42	6567	(digital near3 ((phase near lock) or ("PLL")))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/23 14:10
S43	1221	S42 and S41	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/23 14:10
S44	367	(375/376 and 327/156).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/23 14:10
S45	16	S44 and S43	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/23 14:16
S46	185137	(controller or processor) with S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/23 14:16
S47	494	S42 and S46	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/23 14:17

## EAST Search History

S48	489	S40 and S47	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/23 14:18
S49	7740	(375/376 or 375/375 or 375/226 or 375/224 or 327/141 or 327/147 or 327/156).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/23 14:18
S50	29	S49 and S48	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/23 14:18
S51	13	("4412299"   "4754216"   "4935706"   "5038120"   "5214955"   "5295079"   "5327031"   "5446648"   "5574406"   "5663991"   "5745011"   "5764092"   "5805003").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/23 15:36
S52	13	("6396889").URPN.	USPAT	OR	ON	2007/03/23 15:40
S53	14	("4498172"   "5349586"   "5475694"   "5668816"   "5675291"   "5818772"   "5822228"   "5886582"   "5889435"   "5946246"   "5991888"   "6216254"   "6374371"   "6396889").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/23 15:50
S54	544	(monitor\$4 or observ\$4) near5 (phase near (error or off\$1set))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/23 16:56
S55	52	S42 and S54	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/23 17:00

## EAST Search History

S56	5	S42 same S54	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/23 16:56
S57	3	("4862098"   "6326851"   "6345173").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/23 16:59
S58	2	("4752748").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/23 16:59